

CLAIMS

I claim:

- 1 1. A detector for use in a condition awareness system, said
2 detector comprising:
 - 3 a power supply;
 - 4 at least one sensor;
 - 5 an indicator;
 - 6 a transmitter/receiver; and
 - 7 an antenna.
- 1 2. The detector according to claim 1, wherein said at least
2 one sensor is selected from the group consisting of a temperature
3 sensor, a smoke sensor, a water level sensor, a light sensor, a
4 contact sensor, a motion sensor, an infrared sensor, an acoustic
5 sensor, an acceleration sensor, a sonic sensor, a hydrometer
6 sensor, and a wind-speed sensor.
- 1 3. The detector according to claim 1, further comprising a
2 test switch and a reset switch.
- 1 4. The detector according to claim 1, wherein said
2 indicator is a visual indicator.
- 1 5. The detector according to claim 1, wherein said
2 indicator is an audible indicator.

1 6. The detector according to claim 1, wherein said
2 transmitter/receiver is configured to operate wirelessly with
3 electromagnetic signals.

1 7. The detector according to claim 1, wherein said detector
2 is configured to operate on regulated DC power.

1 8. A communication device for use in a condition awareness
2 system, said communication device comprising:
3 a telephone dialer;
4 communication logic;
5 memory;
6 a microprocessor;
7 a transmitter/receiver; and
8 an antenna.

1 9. A condition awareness system comprising:
2 a detector comprising:
3 a power supply;
4 at least one sensor;
5 an indicator;
6 a first transmitter/receiver; and
7 a first antenna; and
8 a communication device comprising:
9 a telephone dialer;
10 communication logic;
11 memory;
12 a microprocessor;
13 a second transmitter/receiver; and
14 a second antenna.

1 10. The condition awareness system according to claim 9,
2 wherein said at least one sensor is selected from the group
3 consisting of a temperature sensor, a smoke sensor, a water level
4 sensor, a light sensor, a contact sensor, a motion sensor, an
5 infrared sensor, an acoustic sensor, an acceleration sensor, a
6 hydrometer sensor, and a wind-speed sensor.

1 11. The condition awareness system according to claim 9,
2 further comprising a test switch and a reset switch.

1 12. The condition awareness system according to claim 9,
2 wherein said indicator is a visual indicator.

1 13. The condition awareness system according to claim 9,
2 wherein said indicator is an audible indicator.

1 14. The condition awareness system according to claim 9,
2 wherein said transmitter/receivers are configured to operate
3 wirelessly with electromagnetic signals.

1 15. The condition awareness system according to claim 9,
2 wherein said detector is configured to operate on regulated DC
3 power.

1 16. The condition awareness system according to claim 9,
2 further comprising a condition awareness website administered by
3 a condition awareness server and a condition awareness database.